11/26/74 → .1 ppb [illegible]

Results of samples taken on 11/21 + 11/22/74 at Electrical [illegible]

Penn	downstream	< .10 ppb	< 0.25 ppb → 1 day
	residue	27 ppb	
LaSalle	upstream	< .10 ppb	< 0.25 ppb
Composite		2.08 ppm	1242 1.25 ppm
Storm		< .10 ppb	1242 1254 } 5 ppb
City water		< 10 ppb	< 0.25 ppb

On a Daily Basis (Assuming all 5.2 GPM was in process water. In reality this is not true. Some in sanitary & some in storm sewer.)

$$5.12 \frac{gal}{min} \times 1440 \frac{min}{day} \times 8.34 \frac{\#}{gal} = 61{,}489 \ \# \text{ coff}\frac{\text{lens}}{\text{day}}$$

$$\frac{x}{61{,}489} = \frac{2.08}{10^6}$$

$$x = \frac{2.08 \times 6.1489 \times 10^4}{10^6} = 0.13 \ \#/\text{day}$$

Discussion with Harry Campbell on 11/26

Information of Lemmatics is suspect.

He will also analyze some of the samples reported as < 10 ppb with his technique where he may be able to get down to 1 or 0.5 ppb

MONS 084967

ANALYSIS DATE_____

SAMPLING DATE_____

DAILY LAB REPORT

SEWER	FACTOR	PHENOL PPM	MERCURY PPM	COD/PPM	PCB/PPM	COMMENTS
1-B	39.6				35	
2-A	29.4				51	
2-B	37.2					
2-G	2				39	
3-B	22.8					
3-E	32.4				45	
3-I	28.8					
236	4.3					
239	1.8					
4-H	11.4					
4-J	10.2					
246					.844	
TP INFL.						
TP EFFL.	125.1					
Storm	Sewer				< 10	ppb 11/22
Ill. Riv	Point down	stream			< 10	ppb 11/22
Ill. Riv	Kolalle up	stream			< 10	ppb 11/22
City	water				< 10	11/22
Process	water		MONS 084968		2,080	ppb 11/22
				with 5% flow =		.125 #/day